
Release 3.1A John F. Collins, Biocomputing Research Unit.
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MSPrch_n n.a. - n.a. database search, using Smith-Waterman algorithm
Run on: Thu Jan 13 23:39:42 2000; MasPar time 73.29 Seconds
Tabular output not generated.
Title: >US-08-978-217-15
Description: (2701-3700) from US08978217.seq (4 of 10)
Perfect Score: 1000
N.A. Sequence: 2701 TCATTAAACAGCAGCGCT.....GGCTCCTGCTCCTCGACTA 3700
Comp: AGTAAATTGGTCGCTCCGGA.....CCGAGAGAGAGAGGCTGAT

Scoring table: TABLE default
Gap 6
Nmatch STD : Dbase 0; Query 0
Searched: 165362 seqs, 43234748 bases x 2
Post-processing: Minimum Match 0%
Listing first 45 summaries
Database: n-issued
1:5A_COMB 2:5B_COMB 3:5C_COMB 4:PCT9_COMB 5:Backfiles1
Statistics: Mean 8.645; Variance 5.129; scale 1.686

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description	Pred. No.
1	70	7.0	1920	3	US-08-746-	Sequence 1, Applicatio	1.01e-28
2	49	4.9	7218	2	US-08-233-	Sequence 14, Applicati	1.98e-15
3	48	4.8	11236	1	US-07-853-	Sequence 1, Applicatio	8.12e-15
4	43	4.3	215	1	US-08-238-	Sequence 5, Applicatio	8.53e-12
5	42	4.2	377	3	US-08-332-	Sequence 1, Applicatio	3.36e-11
6	41	4.1	965	3	US-08-388-	Sequence 22, Applicati	1.32e-10
7	38	3.8	252	3	US-08-332-	Sequence 28, Applicati	7.51e-09
8	38	3.8	329	3	US-08-332-	Sequence 29, Applicati	7.51e-09
9	38	3.8	7218	2	US-08-232-	Sequence 14, Applicati	7.51e-09
10	37	3.7	2244	4	PCT-US95-0	Sequence 1, Applicatio	2.84e-08
11	37	3.7	2244	4	US-08-203-	Sequence 1, Applicatio	2.84e-08
12	36	3.6	276	3	US-08-332-	Sequence 30, Applicati	1.06e-07
13	36	3.6	941	3	US-08-203-	Sequence 1, Applicatio	1.06e-07
14	36	3.6	941	4	PCT-US95-0	Sequence 3, Applicatio	1.06e-07
15	36	3.6	965	3	US-08-388-	Sequence 22, Applicati	1.06e-07
16	36	3.6	3680	4	PCT-US95-0	Sequence 1, Applicatio	1.06e-07
17	36	3.6	3680	4	US-08-759-	Sequence 1, Applicatio	1.06e-07
18	35	3.5	36	2	US-08-068-	Sequence 8, Applicatio	3.95e-07
19	34	3.4	54	4	PCT-US92-0	Sequence 2, Applicatio	1.45e-06
20	34	3.4	183	4	PCT-US95-0	Sequence 3, Applicatio	1.45e-06

21	34	3.4	183	3	US-08-255-	Sequence 3, Applicatio	1.45e-06
22	34	3.4	710	4	PCT-US95-0	Sequence 2, Applicatio	1.45e-06
23	34	3.4	710	3	US-08-255-	Sequence 2, Applicatio	1.45e-06
24	34	3.4	1505	1	US-07-915-	Sequence 1, Applicatio	1.45e-06
25	34	3.4	4155	3	US-08-611-	Sequence 1, Applicatio	1.45e-06
26	34	3.4	4155	1	US-08-304-	Sequence 1, Applicatio	1.45e-06
27	34	3.4	4155	4	PCT-US92-0	Sequence 1, Applicatio	1.45e-06
28	34	3.4	4155	1	US-08-158-	Sequence 1, Applicatio	1.45e-06
29	34	3.4	4155	1	US-08-316-	Sequence 1, Applicatio	1.45e-06
30	34	3.4	4155	1	US-07-876-	Sequence 1, Applicatio	1.45e-06
31	34	3.4	4155	1	US-07-675-	Sequence 1, Applicatio	1.45e-06
32	34	3.4	4155	5	5281530-2	Patent No. 5281530.	1.45e-06
33	34	3.4	4155	5	5426049-2	Patent No. 5426049.	1.45e-06
34	34	3.4	4155	1	US-08-063-	Sequence 1, Applicatio	1.45e-06
35	33	3.3	215	1	US-08-238-	Sequence 5, Applicatio	5.26e-06
36	33	3.3	297	1	US-08-222-	Sequence 33, Applicati	5.26e-06
37	33	3.3	3596	3	US-08-779-	Sequence 5, Applicatio	5.26e-06
38	33	3.3	3632	3	US-08-779-	Sequence 5, Applicatio	5.26e-06
39	33	3.3	3632	3	PCT-US93-0	Sequence 4, Applicatio	5.26e-06
40	33	3.3	10747	4	PCT-US93-0	Sequence 1, Applicatio	5.26e-06
41	33	3.3	24979	4	PCT-US93-0	Sequence 3, Applicatio	5.26e-06
42	32	3.2	38	4	PCT-US95-0	Sequence 1, Applicatio	1.89e-05
43	32	3.2	38	2	US-08-563-	Sequence 1, Applicatio	1.89e-05
44	32	3.2	605	4	PCT-US96-0	Sequence 89, Applicati	1.89e-05
45	32	3.2	3535	3	US-08-618-	Sequence 1, Applicatio	1.89e-05

ALIGNMENTS

RESULT 1
ID US-08-746-789A-1 STANDARD: DNA; UNC; 1920 BP.
AC xxxxxx
DE Sequence 1, Application US/08746789A
CC Sequence 1, Application US/08746789A
CC Patent No. 5789200
CC GENERAL INFORMATION:
CC APPLICANT: Ismail Kola, Martin J. Tyrms, Christine DeBuck
CC TITLE OF INVENTION: A No. 5789200e1 Human ETS Family Member, ELF3
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: SmithKline Beecham Corporation
CC STREET: 709 Swedeland Road, P.O. Box 1539
CC CITY: King of Prussia
CC STATE: PA
CC COUNTRY: USA
CC ZIP: 19406-0939
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
CC COMPUTER: IBM 486
CC OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
CC SOFTWARE: MICROSOFT WORD
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/746,789A
CC FILING DATE: No. 5789200ember 15, 1996
CC CLASSIFICATION: 514
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER:
CC FILING DATE:
CC ATTORNEY/AGENT INFORMATION:
CC NAME: William T. Han
CC REGISTRATION NUMBER: 34,344
CC REFERENCE/DOCKET NUMBER: ATG 50024
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 610 270 5219
CC TELEFAX: 610 270 4026
CC INFORMATION FOR SEQ ID NO: 1:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 1920
CC TYPE: Nucleic Acid
CC STRANDEDNESS: Single
CC TOPOLOGY: Linear
CC ANTI-SENSE: NO

[illegible]

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CC      LENGTH: 7218 base pairs
CC      TYPE: nucleic acid
CC      STRANDEDNESS: single
CC      TOPOLOGY: linear
CC      IMMEDIATE SOURCE:
CC      CLONE: pTZpct-Fls
SQ      SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER.

Query Match          3.8%; Score 38; DB 2; Length 7218;
Best Local Similarity 1.4%; Pred. No. 7.51e-09;
Matches      2; Conservative      90; Mismatches 54; Indels 0; Gaps 0;

Db      1064 GATYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1123
Cp      2887 GAGCTCCCTCCCTCCAGACTCTCGCGCTAGACTCCCGGTGTACACTGACTGCTG 2828
Db      1124 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1183
Cp      2827 ATGTGATCTCTGGGATTTCTCGGCTTCAGACTGGCTCCCTGTCATGTGATTTGCAT 2768
Db      1184 YYYYYYYYYYYYYYYYYYYYYYYYYY 1209
Cp      2767 ATTCGTCCTACTGTGCCCATATCTCT 2742

RESULT      10
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AC      xxxxxx
DT

DE      Sequence 1, Application PC/TUS9501882A
CC      Sequence 1, Application PC/TUS9501882A
CC      GENERAL INFORMATION:
CC      APPLICANT: Gorski, David H.
CC      APPLICANT: Walsh, Kenneth
CC      TITLE OF INVENTION: Growth Arrest Homeobox Gene
CC      NUMBER OF SEQUENCES: 4
CC      CORRESPONDENCE ADDRESS:
CC      ADDRESSEE: Calfee, Halter, and Griswold
CC      STREET: 800 Superior Avenue
CC      CITY: Cleveland
CC      STATE: Ohio
CC      COUNTRY: U.S.A.
CC      ZIP: 44114-2688
CC      COMPUTER READABLE FORM:
CC      MEDIUM TYPE: Floppy disk
CC      COMPUTER: IBM PC compatible
CC      OPERATING SYSTEM: PC-DOS/MS-DOS
CC      SOFTWARE: PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC      APPLICATION NUMBER: PCT/US95/01882A
CC      FILING DATE:
CC      CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC      NAME: Goltick, Maity E.
CC      REGISTRATION NUMBER: 34829
CC      REFERENCE/DOCKET NUMBER: 22311/00114
CC      TELECOMMUNICATION INFORMATION:
CC      TELEPHONE: (216) 622-8200
CC      TELEFAX: (216) 241-0816
CC      TELE: 980499
CC      INFORMATION FOR SEQ ID NO: 1:
CC      SEQUENCE CHARACTERISTICS:
CC      LENGTH: 2244 base pairs
CC      TYPE: nucleic acid
CC      STRANDEDNESS: both
CC      TOPOLOGY: linear
CC      MOLECULE TYPE: cDNA
CC      HYPOTHETICAL: NO
CC      ANTI-SENSE: NO
CC      FEATURE:
CC      NAME/KEY: CDS
CC      LOCATION: 197..1108
SQ      SEQUENCE 2244 BP; 643 A; 533 C; 522 G; 546 T; 0 OTHER.

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CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/203,532F
CC FILING DATE:
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Goltick, Mary E.
CC REGISTRATION NUMBER: 34829
CC REFERENCE/DOCKET NUMBER: 22311/00114
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (216) 622-8200
CC TELEFAX: (216) 241-0816
CC
CC INFORMATION FOR SEQ ID NO: 3:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 941 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: both
CC TOPOLOGY: linear
CC MOLECULE TYPE: CDNA
CC HYPOTHEICAL: NO
CC ANTI-SENSE: NO
CC FEATURE:
CC NAME/KEY: CDS
CC LOCATION: 33..941
CC SEQUENCE 941 BP; 252 A; 293 C; 242 G; 154 T; 0 OTHER.
SQ
Query Match 3.6%; Score 36; DB 3; Length 941;
Best Local Similarity 89.1%; Pred. No. 1.06e-07;
Matches 41; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
DB 234 CACCACCACCCACCCACCATCATCACCACCATCAGCAGCAGC 279
CP 3430 CACCACCACCCACCCACCCACCATCATCACCACCATCAGCAGCAGC 3385
RESULT 14
ID PCT-US95-01882A-3 STANDARD; DNA; UNC; 941 BP.
AC xxxxxx
DE Sequence 3, Application PC/TUS9501882A
CC Sequence 3, Application PC/TUS9501882A
CC GENERAL INFORMATION:
CC APPLICANT: Gorski, David H.
CC APPLICANT: Walsh, Kenneth
CC TITLE OF INVENTION: Growth Arrest Homeobox Gene
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Calfee, Halter, and Griswold
CC STREET: 800 Superior Avenue
CC CITY: Cleveland
CC STATE: Ohio
CC COUNTRY: U.S.A.
CC ZIP: 44114-2688
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: PCT/US95/01882A
CC FILING DATE:
CC CLASSIFICATION:
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Goltick, Mary E.
CC REGISTRATION NUMBER: 34829
CC REFERENCE/DOCKET NUMBER: 22311/00114
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (216) 622-8200
CC TELEFAX: (216) 241-0816
CC

CC TELEX: 980499
CC INFORMATION FOR SEQ ID NO: 3:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 941 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: both
CC TOPOLOGY: linear
CC MOLECULE TYPE: CDNA
CC HYPOTHEICAL: NO
CC ANTI-SENSE: NO
CC FEATURE:
CC NAME/KEY: CDS
CC LOCATION: 33..941
CC SEQUENCE 941 BP; 252 A; 293 C; 242 G; 154 T; 0 OTHER.
SQ
Query Match 3.6%; Score 36; DB 4; Length 941;
Best Local Similarity 89.1%; Pred. No. 1.06e-07;
Matches 41; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
DB 234 CACCACCACCCACCCACCATCATCACCACCATCAGCAGCAGC 279
CP 3430 CACCACCACCCACCCACCCACCATCATCACCACCATCAGCAGCAGC 3385
RESULT 15
ID US-08-388-672A-22 STANDARD; DNA; UNC; 965 BP.
AC xxxxxx
DE Sequence 22, Application US/08388672A
CC Sequence 22, Application US/08388672A
CC Patent No. 5795961
CC GENERAL INFORMATION:
CC APPLICANT: Wallace, T. Paul
CC APPLICANT: Harris, William J.
CC APPLICANT: Carr, Frank J.
CC APPLICANT: Old, Lloyd J.
CC APPLICANT: Welt, Sydney
CC APPLICANT: Kitamura, Kunio
CC TITLE OF INVENTION: Recombinant Human Anti-Lewis B
CC NUMBER OF SEQUENCES: 25
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Felle and Lynch
CC STREET: 805 Third Avenue
CC CITY: New York
CC STATE: New York
CC COUNTRY: U.S.A.
CC ZIP: 10022
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/388,672A
CC FILING DATE: 14-FEB-1995
CC CLASSIFICATION:
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Hanson, No. 5795961man D.
CC REGISTRATION NUMBER: 30,946
CC REFERENCE/DOCKET NUMBER: LUD 5409
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 212-688-9200
CC TELEFAX: 212-838-3884
CC INFORMATION FOR SEQ ID NO: 22:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 965 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: unknown
CC TOPOLOGY: unknown
CC MOLECULE TYPE: DNA (genomic)
CC SEQUENCE 965 BP; 192 A; 170 C; 226 G; 200 T; 177 OTHER.
CC

Tue Feb 1 17:11:41 2000

US-08-978-217-15-04.rn1

Page 8

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Cp	3578	GGTGGGGAGGGGTAC	GACGAGTATACATTCCTTCCTGTGCTGGCAAAAGCTGGGCGCA	3519
Db	835	MADTSSSNRSTVTAADTA	VYVCVGRSTDSGGYMGCTTYTSSHYVKDMTSSSSASV	894
Cp	3518	ACACCCGAGAGACGAG	GAAATTCACTGTGTCGTGTAGACATCTCTCTTCAACACACCCCC	3459
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Cp	3458	ACCAACAC	3451	

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Job time : 157 secs.